

Pelensky, S.

Simple trolley line of an electric urban railway; principles of the mechanics of a suspended conductor. p. 194.

Vol. 43, no. 4, Apr. 1954.  
ELEKTROTECHNICKY OBZOR

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4, No. 9,  
Sept. 1955, Uncl.

PELENSKY, S.

Nomogram for calculating trolley lines for electric railroads.  
/ Supplement / P. Tl.  
(ELEKTROTECHNICKY OBZOR, vol. 44, No. 1, Jan. 1955, Praha)

SO: Monthly List of East European Accession, (EEAL) LC, Vol. 4, No. 11,  
Nov. 1955, Uncl.

PELENSKY, S.

"Trolley Wire for Electric Railways in deep Mines." p. 130, Praha, Vol. 2, no. 5, May 1954.

SO: East European Accessions List, Vol. 3, No. 9, September 1954, Lib. of Congress



GROZIN, B. D. [Hrozin, B. D.] [deceased]; BAKUL', V. N. [Bakul', V. M.]  
(Kiyev); PELEPELIN, V. M. (Kiyev)

Plastic deformation of hard alloys. Prykl. mekh. 9 no.1:  
94-98 '63. (MIRA 16:4)

1. Institut mekhaniki AN UkrSSR.

(Deformations(Mechanics))

PELEPELIN, V.M. (Kiyev); GORB, M.L. (Kiyev)

Experimental investigation of deformations of system of rings  
in testing specimens under three-dimensional uneven pressure  
conditions. Prikl. mekh. 1 no.11:81-88 '65.

(MIRA 19:1)

1. Institut mekhaniki AN UkrSSR. Submitted April 22, 1965.

3 14267-63

EWP(g)/EWT(m)/BDS

AFPTC/ASD

JD/WR/JG

ACCESSION NR: AP3403496

B/0021/63/000/006/0753/0756

AUTHOR: Petelin, V. M.

TITLE: Effect of plastic deformation on some properties of the VK15 sintered hard alloy

SOURCE: AN UkrSSR. Dopovid, no. 6, 1963, 753-756

TOPIC TAGS: hard-alloy hydrostatic compression, hydrostatic compression effect, hard-alloy strength, hard-alloy hardness, hard-alloy coercive force, hard-alloy resistivity

ABSTRACT: Cylindrical specimens of sintered VK15 alloy [85% WC, 15% Co] 5 mm in diameter and 8 mm high were hydrostatically compressed to a residual plastic deformation of up to 15%, and their coercive force, hardness, electrical resistivity, and strength (the last under conditions of uniaxial compression) measured. Results of the measurements showed that as the degree of plastic deformation increased from 0 to 13.6% the initial compression strength of the specimens decreased from 405 to 375 kg/mm<sup>2</sup>, hardness (Vickers, 10-kg load) decreased from 1214 to 1056 kg/mm<sup>2</sup>, coercive force increased from 104 to 205 oe,

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I 11267-63  
ACCESSION NR: AF3003496

and resistivity increased from 15.2 to 23.6  $\mu\text{ohm}\cdot\text{cm}$ . The experimental data indicate that plastic deformation has a considerable effect on the physicommechanical properties of the sintered alloy and that further research in this direction should be undertaken. The article was presented by Academician F. P. Byelyankin, Academy of Sciences Ukrainian SSR. Orig. art. has: 3 figures and 1 table.

ASSOCIATION: Instytut mekhaniky\* AN URSR (Institute of Mechanics, AN URSR)

SUBMITTED: 29Jan63

DATE ACQ: 30Jul63

ENCL: 00

SUB CODE: MA

NO REF SOV: 005

OTHER: 003

Card 2/2

PELEPELIN, V.N.

Effect of plastic deformation on certain properties of the  
VK-15 powdered metal alloy. Dop. AN URSSR no.68753-756 '63  
(MIRA 17:7)

1. Institut mekhaniki AN UkrSSR. Predstavleno akademikom AN  
UkrSSR F.P. Belyankinym [Beliiankin, F.P.]

L 29830-66 ENT(m)/EWP(t)/EWP(k)/ETI I/P(c) JD/HW

ACC NR: AP6011353

SOURCE CODE: UR/0226/66/000/003/0101/C.08

AUTHOR: Pelepelin, V. M.

39

ORG: Institute of Mechanics, AN UkrSSR (Institut mekhaniki AN UkrSSR)

35  
B

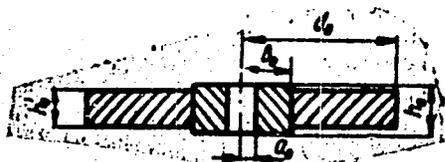
TITLE: Resistance of hard alloys to finite plastic deformations

SOURCE: Poroshkovaya metallurgiya, no. 3, 1966, 101-108

TOPIC TAGS: plasticity, material strength, metal alloy, compressive strength/ VK10 alloy, VK15 alloy, VK20 alloy, VK25 alloy

ABSTRACT: A description is given of a method for determining the stressed and deformed state of a specimen compressed in a double yoke system. The results of tests on the resistance of tungsten-cobalt hard alloys to finite plastic deformations are described, along with some data on the effect of the rate of loading on the plasticity of the alloys studied. The alloys tested contain from 10 to 25% cobalt. A diagram of the double yoke device is given in Fig. 1.

Fig. 1. Diagram of double yoke.



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L 29830-66

ACC NR: AP6011353

Basic characteristics of the stressed state are: the applied stress

$$\sigma_r = (\sigma_1 - \sigma_2) \cdot \Phi_1(\varepsilon) + \sigma_2 \cdot \Phi_2(\varepsilon) - p_b$$

the radial pressure applied to the specimen from the side of the inner yoke

$$p_b = \sigma_2 \cdot \Phi_2(\varepsilon) \cdot \Phi_3(\varepsilon) + p_0$$

and the axial stress in the specimen

$$\sigma_z = (\sigma_1 - \sigma_2) \cdot \Phi_1(\varepsilon) + \sigma_2 \cdot \Phi_2(\varepsilon) [\Phi_3(\varepsilon) + 1]$$

where

$$\sigma_1 = \frac{P'}{\pi r_0^2}; \quad \sigma_2 = \frac{P''}{\pi r_0^2}$$

$P'$  and  $P''$  are loads applied in compressing the specimen to the same degree of deformation  $\varepsilon$  in the double yoke system and the system of the uniform inner yoke.  $\Phi_1(\varepsilon)$ ,

$\Phi_2(\varepsilon)$ , and  $\Phi_3(\varepsilon)$  are auxiliary functions depending not only on the deformation  $\varepsilon$  but also on the initial geometric dimensions of the specimen and the collars and on the coefficient of friction of the compression system;  $p_0$  is the radial pressure in

deformation of the inner and outer collars. A deformation parameter is defined in terms of the geometry of the system. Variation of this parameter with axial deformation  $\varepsilon$  is measured and plotted, as are axial stress versus edge pressure and applied stress versus axial deformation. The stressed and deformed states of alloys VK10, VK15, VK20, and VK25 are plotted and compared, and data on the rate of loading and corresponding deformation are given. Orig. art. has: 3 tables, 6 figures, and 4 equations.

2/2 1/SUB CODE: 11/ SUBM DATE: 22Jun65/ ORIG REF: 010/ OTH REF: 008

PELEPELIN, V.M.

Investigating the effect of plastic deformation on the physico-mechanical properties of tungsten-cobalt hard alloys. Porosh.met 5 no.11:76-82 N '65. (MIRA 18:12)

1. Institut mekhaniki AN UkrSSR. Submitted March 23, 1965.

L 13822-66 EWP(d)/EWP(m)/EWP(u)/EWP(v)/T-2/EWP(t)/EWP(e)/EWP(h)/EWP(l)/EWP(o)  
 ACC NR: AP60012/6 ETC(m) JD/WW/HW/KN SOURCE CODE: UR/0198/65/001/011/0081/0088

AUTHORS: Pelejelin, V. M. (Kiev); Gorb, M. L. (Kiev)

ORG: Institute of Mechanics, AN UkrSSR (Institut mekhaniki, AN UkrSSR)

TITLE: Experimental investigation of deformations in a system of bands in testing systems of specimens in conditions of global nonuniform compression

SOURCE: Prikladnaya mekhanika, v. 1, no. 11, 1965, 81-88

TOPIC TAGS: stress measurement, stress analysis, strain measurement, stretching-elastic deformation, aerospace structure

ABSTRACT: Experiments were performed for the evaluation of the stressed and deformed state of bracing band systems in global nonuniform compression tests. Internal pressures required for plastic deformation of a ring are computed as

$$p_b = \frac{2\sigma_0}{\sqrt{3}} \sin\left(\frac{\pi}{6} - \theta_b\right).$$

This formula is used by A. Nadai (Plastichnost' i razrusheniye tverdikh tel, IL, 1954). Here,  $\theta_b$  characterizes the deformed state of the external ring during the loading process, and  $\sigma_0$  is the stress corresponding to the applied degree of deformation of the ring material. Axial deformation  $\epsilon$  is related to  $\theta_b$  and to

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L 13827-66

ACC NR: AP6001246

the ratio of the external and internal radii ( $d/b$ ) according to the formulae

$$\epsilon = \frac{\left(\frac{d_0}{b_0}\right)^2 + \frac{2}{\sqrt{3}} \cos \theta_b \exp \sqrt{3} \left(\frac{\pi}{6} - \theta_b\right)}{\left(\frac{d_0}{b_0}\right)^2 - 1}$$

$$\frac{d}{b} = \sqrt{(1-\epsilon) \left(\frac{d_0}{b_0}\right)^2 - \epsilon}$$

where  $b_0$  and  $d_0$  are the internal and external radii of the undeformed ring. Experimental tests were performed to verify the latter two formulae. Figure 1 shows

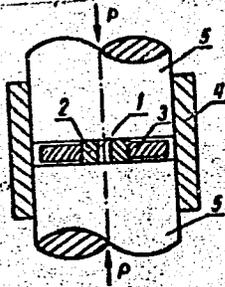


Fig. 1.

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L 13827-66

ACC NR: AP60012.6

the experimental set-up. The specimen 1 is set in the ring systems 2 and 3. The test is conducted in chamber 4 which channels simultaneously the compression punches 5. Deformation is constrained, so that it is possible to determine the relationship of axial deformation of the specimen and radial deformation of points of the external lower surface of the internal ring. Measurement parameters and experimental control are described. Radial deformation of points of the compression surfaces of the rings was found to be

$$e_s = \frac{1}{\sqrt{1-\epsilon}} - 1;$$

and radial deformation of the inner ring along its external diameter is

$$e_d = \sqrt{1 + \left(\frac{\epsilon}{1-\epsilon}\right) \left(\frac{b_0}{d_0}\right)^2} - 1.$$

Additional deformation relationships are plotted. Test results were found to be in fair agreement with published reports. Orig. art. has: 6 figures and 5 equations.

SUB CODE: 20, 13/ SUBM DATE: 22Apr65/ ORIG REF: 003/ OTH REF: 001



Card 3/3

GORB, M.L. (Kiyev); PELEPELIN, V.M. (Kiyev); CHERNYAK, N.I. (Kiyev)

Determining the radial pressure of a specimen under conditions  
of a nonuniform volumetric pressure. Prikl. mekh. 1 no.10:  
87-92 '65. (MIRA 18:12)

1. Institut mekhaniki AN UkrSSR. Submitted March 29, 1965.

S/198/63/009/001/006/006  
D251/D308

**AUTHORS:** Hrozin, B.D. (deceased), Bakul', V.M. and Pelepelin, V.M. (Kiev)

**TITLE:** Plastic deformation of hard alloys

**PERIODICAL:** Prykladna mekhanika, v. 9, no. 1, 1963, 94-98

**TEXT:** Since hard alloys are widely used as materials for instrument and machine-component construction, a study of their plastic properties is of considerable technological as well as theoretical value. The existing information on this problem being limited and scattered, the authors use a method based on the uneven compression of hoops to study the plastic deformation of two-phase tungsten carbide - cobalt alloys. The cobalt content varies from 4 to 25%. The residual deformation is shown to be considerable, being 11% for the 4% Co alloy, 9.5% for the 6% Co alloy, and then increasing to 18.5% for 25% Co. The effect of deformation on the hardness, coercive force and specific conductivity is also shown; the hardness decreases after deformation but the other two parameters increase.

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Plastic deformation of hard alloys

S/198/63/009/001/006/006  
D251/D308

These latter may be taken as sensitive characteristics of the effect of deformation. Further investigations of the effect of deformation will be carried out with the aid of X-rays, metallography and assaying. There are 2 figures and 2 tables.

ASSOCIATION: Instytut mekhaniky AN URSR (Institute of Mechanics of the AS UkrSSR)

SUBMITTED: September 4, 1962

Card 2/2

ACC NR: AP6009579 (N)

SOURCE CODE: UR/0226/65/000/011/0076/0082

AUTHOR: Pelepelin, V. M.ORG: Institute of Mechanics, AN UkrSSR (Institut mekhaniki AN UkrSSR)

TITLE: Investigation of the effect of plastic deformation on the physico-mechanical properties of tungsten-cobalt hard alloys

SOURCE: Poroshkovaya metallurgiya, no. 11, 1965, 76-82

TOPIC TAGS: tungsten alloy, cobalt alloy, plastic deformation, metal grain structure, metal hardening, magnetic coercive force, electric resistance/VK10 W-Co alloy, VK15 W-Co alloy, VK20 W-Co alloy, VK25 W-Co alloy

ABSTRACT: The deformability of hard powder alloys is of major interest considering the increasing use of these alloys as structural materials. In this connection, the article presents the results of an investigation of the hardness, compressive strength, and other physico-mechanical properties of hard W-Co alloys as a function of their plastic deformation, performed with the aid of a specially developed device for axially symmetric compression of test specimens. This device, developed at the Institute of Mechanics AN UkrSSR, consists of a set

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ACC NR: AP6009579

of two concentric steel rings, the outer ring being of a somewhat lower height than the inner ring and the specimen. The system "specimen-twin ring" is subjected to axial compression, with the load being applied only to the inner ring with the specimen. This causes the specimen and the rings to exert pressure on each other and as a result, a three-dimensional volume stressed state of axially symmetric compression arises in the material of the specimen and the mean (hydrostatic) pressure is relatively high. This represents an improvement on the standard mechanical tests of plastic deformation, whose possibilities are limited by the high hardness and brittleness of the alloys considered. The specimens of W-Co alloys containing from 10 to 25 wt. % Co, were found to have a structure consisting of grains of WC and the Co-phase (solid solution of W and C in Co). Findings: the coercive force and resistivity of the alloys increase with increasing degree of plastic deformation (Figs. 1, 2), this increase being the greater the higher the alloy's Co content is. Thus, for the maximum degrees  $\epsilon$  of deformation obtained the coercive force for the VK25 alloy increased by 130% and for the VK10 alloy, by 55%, because Co is a ferromagnetic component. On the other hand, the reasons for the increase in the electrical resistance of the alloys with increasing  $\epsilon$  cannot be conclusively established as yet. As for hardness, it decreases with increasing  $\epsilon$  and this decrease is sharper for the specimens that were subjected to prior heating at 873°K. Similarly, plastic deformation affects adversely the compressive strength of the specimens, by ~20%. The presumed reason for the decrease in the compressive strength of the specimens

ACC NR. AP6009579

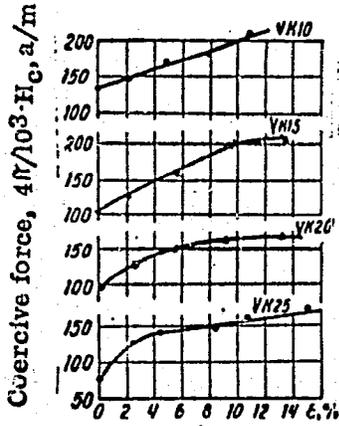


Fig. 1. Coercive force as a function of the degree  $\epsilon$  of plastic deformation of the alloys

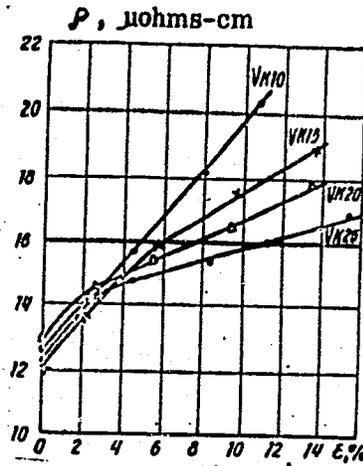


Fig. 2. Resistivity as a function of the degree  $\epsilon$  of plastic deformation of the alloys

Card 3/4

ACC NR: AP6009579

increasing  $\epsilon$  is the simultaneous effect of two factors accompanying the plastic deformation of the alloys: first, the comminution of carbide grains and disorders of cleavage between individual grains in carbide aggregations and, second, the strain hardening of the cobalt phase. Orig. art. has: 4 figures and 2 tables.

SUB CODE: 11,13,30/ SUBM DATE: 23Mar65/ ORIG REF: 008/ OTH REF: 002

4/4

L 16122-66 EWT(d)/EWT(l)/EWT(m)/EPF(n)-2 IJP(c) JD/WW/

ACC NR: AP6004126

SOURCE CODE: UR/OA.20/65/000/001/0058/0062

AUTHORS: Pelepychenko, I. P.; Simbirskiy, D. F.

ORG: Kharkov Aviation Institute (Khar'kovskiy aviatsionnyy institut)

58  
B.

TITLE: Hot-wire anemometry in an unsteady gas stream

SOURCE: vozdushnogo flota, no. 1, 1965, 58-62

Samoletostroyeniye i tekhnika

TOPIC TAGS: gas flow, temperature distribution, anemometer, thermal conductivity, error measurement

ABSTRACT: An analytic study is made to determine the error in measuring the gas temperature in a stream by means of a hot-wire anemometer when the flow velocity and temperature fluctuate periodically. The gas velocity  $w$  and the temperature  $T_{\infty}$  are assumed to be arbitrary but periodic functions of time  $\tau$  satisfying the Dirichlet conditions. The governing heat balance equation is given by

21,441,55

$$C \frac{dT_w}{d\tau} = \alpha_s F (T_{\infty} - T_w)$$

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L 16122-66

ACC NR: AP6004126

where the thermal conductivity is expressed by

$$\alpha_s = cd^{m-1} \frac{\lambda}{\nu^m} [w(\tau)]^m$$

The equation is solved by means of undetermined coefficients. For the special case of  $\alpha_0 = w^m$  and  $T_{\infty} - T_{w1} = T$  the anemometer error can be expressed by the equation

$$T_w = T_{cp} + T \cdot \frac{1}{\sqrt{1 + \omega^2 \tau^2}} \sin(\omega \tau - \varphi)$$

$$\varphi = \text{arctg } \omega \tau$$

Orig. art. has: 15 equations.

SUB CODE: 20/ SUBM DATE: none/ ORIG. REF: ...

L 34860-66 EWT(d)/EWT(l)/EWT(m)/EWP(v)/EWP(k)/EWP(h)/EWP(l) JD  
ACC NR: AP6009182 SOURCE CODE: UR/0146/65/008/005/0131/0134

AUTHOR: Volkov, V. G.; Pelepeychenko, I. P.; Simbirskiy, D. F. 23

ORG: Khar'kov Aviation Institute (Khar'kovskiy aviatsionnyy institut) B

TITLE: Rf resistance thermometer 14

SOURCE: IVUZ. Priborostroyeniye, v. 8, no. 5, 1965, 131-134

TOPIC TAGS: thermometer, resistance thermometer, heat measurement

ABSTRACT: Experimental results obtained with a quick-response 7.1-Mc platinum resistance thermometer tested with a Biot criterion of  $5 \times 10^{-5}$  to  $5 \times 10^{-4}$  (F. Nagao et al., Bul. of ISME, v. 4, no. 14, 1961) are disputed by the authors of the present article. An experimental verification included 10-Mc thermometers with Fe and W coils. Time constants of 0.05-mm W coils and 0.16-, 1-, and 2-mm Fe coils at 10 Mc and dc were measured on a special electronic instrument.

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UDC: 536.5

L 34860-66

ACC NR: AP6009182

It is found that, with  $Bi < 0.01$ , the temperature field is practically uniformly distributed over the coil cross-section; the higher response of such thermometers reported by F. Nagao et al. did not prove true. The r-f resistance thermometer has a higher sensitivity than the conventional which is particularly important for low-resistance sensors (coils). The r-f thermometer is the only device that makes studying temperature fields in small-size cylinders possible. Orig. art. has: 3 figures and 5 formulas.

SUB CODE: 09 / SUBM DATE: 30Oct64 / ORIG REF: 004 / OTH REF: 001

Card 2/2 vmb

L 40783-66

ACC NR: AP6018597

SOURCE CODE: UR/0420/65/000/004/0003/0009

AUTHOR: Volkov, V. G.; Pelepeychenko, I. P.; Simbirskiy, D. F.

40  
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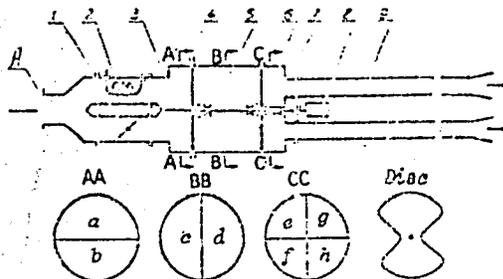
ORG: Kharkov Aviation Institute (Khar'kovskiy aviatsionnyy institut

TITLE: Experimental investigation of dynamic errors in heat sensing equipment during measurements in nonstationary gas flows *GM*

SOURCE: Samoletostroyeniye i tekhnika vozdušnogo flota, no. 4, 1965, 3-9

TOPIC TAGS: flow temperature measurement, nonsteady flow, flow analysis, anemometer

ABSTRACT: A special device is described for generating a gas flow with sinusoidal oscillations in velocity and temperature and provision for varying the frequency and the phase shift between the temperature and velocity oscillations. The device is shown in the accompanying diagram. Compressed air is fed to inlet A and from there to preheater 2 which is located in only one tube. Chamber 3 is divided by a horizontal baffle into two sections with hot air in section a and cold air in the lower section b. Chamber 5 is separated from chamber 3 by distributor disc 4 and divided into two sections c and d by a vertical barrier. When the disc is rotated, hot and cold air are



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L 40783-66

ACC NR: AP6018597

admitted to sections *c* and *d* in various ratios but with a constant total volume of hot and cold air. Thus the air stream in each of the sections *c* and *d* moves at a constant velocity with a temperature which varies in time. Distributor disc 6 is located in front of chamber 7 which is divided into 4 sections by two mutually perpendicular baffles. Streams with varying velocity are set up in each pair of sections *e*, *f* and *g*, *h* along the vertical as the cross section is increased or reduced. Each of these four sections *e*, *f*, *g* and *h* is connected to a tube 9 where the flow oscillates with respect to temperature and velocity. By shifting disc 4 with respect to disc 6, various phase angles may be obtained between velocity and temperature oscillations in the flow tubes. The installation gives maximum air velocities of 40 m/sec, a maximum temperature amplitude of 25°C and a pulsation frequency from 0.1 to 15 cps. The power consumption of the heater is 20 kw. A tungsten resistance thermometer is used for temperature measurement and flow velocity is measured by a tungsten hot-wire anemometer. Experimental data obtained with the use of this device show that the phase shift between temperature and heat transfer coefficient has a considerable effect on displacement of the average temperature level of heat sensing devices. Orig. art. has: 4 figures, 1 table.

SUB CODE: 20/ SUBM DATE: none/ ORIG REF: 006

Card 2/2 *mcp*

PELEPEYCHENKO, I. P., kand. tekhn. nauk; SIMBIRSKIY, D. F., inzh.

Heat transfer of a cylinder in the presence of transverse flow  
about it and harmonically varying speed. Teploenergetika 10  
no.3:62-66 Mr '63. (MIRA 16:4)

1. Khar'kovskiy aviatsionnyy institut.

(Fluid dynamics) (Heat-Transmission)

DVOROVENKO, G.P., kand.tekhn.nauk, dotsent; SANDOMIRSKIY, M.G., kand.tekhn.  
nauk, dotsent; PELEPEYCHENKO, I.P., kand.tekhn.nauk

Investigating ventilators of low-powered air-cooled engines.

Nauch. zap. KHIMSKH no.11 Fak. mekh. sel'khoz. 1:99-108 '58.

(MIRA 14:3)

(Tractors--Engines--Cooling)

PELEPEYCHENKO, I. P.

PELEPEYCHENKO, I. P. - "Investigation of the mechanical losses in a tractor engine".  
Khar'kov, 1955. Min Higher Education Ukrainian SSR. Khar'kov Polytechnic  
Inst imeni V. I. Lenin, Chair of Internal Combustion Engines.  
(Dissertation for the Degree of Candidate of Technical Sciences).

SO: Knizhnaya Letopis' No. 46, 12 November 1955. Moscow

PELEMEYCHENKO, P.L.

~~Our Celebrants. P.M. Gurevich. Zdrav. Belor 5 no.2:76 P '59.~~  
(GUREVICH, PAVEL MARKOVICH, 1889-) (MIRA 12:7)

PELER, L.V., kand.tekhn.nauk

Investigating cast iron soldering made in various spatial  
positions during repair of steam locomotive cylinders. Sbor.  
LIIZHT no.160:206-214 '58. (MIRA 12:5)  
(Solder and soldering)  
(Locomotives---Cylinders--Maintenance and repair)

MOROZOV, S.M., dotsent, kandidat tekhnicheskikh nauk; FELER, L.V., dotsent,  
kandidat tekhnicheskikh nauk; PLEKHANOVA, A.A., inzhener.

Defects of welds of rolling stock parts in railroad transportation.  
Sbor. LITZHT no.146:262-269 '54. (MIRA 8:1)  
(Railroads--Rolling stock) (Welding)

S/137/62/000/002/022/14  
A006/A101

AUTHORS: Urusova, N. A., Kurilekh, I. N., Peleshchuk, A. G.

TITLE: Testing the system of roller cooling of ingots in continuous steel casting

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 2, 1962, 48, abstract 2V285  
(Sb. nauchn. tr. Gos. n.-i. i proyekt. in-t metallurg. prom-sti "Giprostal", 1960, no. 2, 137-144)

TEXT: Results are given obtained from industrial tests of roller-cooling of ingots during continuous steel casting. It was established that by repeated roller cooling of ingots, the intensity of heat liberation increased with specific water consumption raised up to  $7 \text{ m}^3/\text{m}^2$  hour. A further increase of water consumption has practically no effect on heat liberation in the repeated cooling zone. The least total length of internal hot cracks in grade St. 3 steel ingots of  $150 \times 620$  mm section was observed at a specific water consumption as high as  $6$  to  $8 \text{ m}^3/\text{m}^2$  hour for the broad ingot edges, and from  $5$  to  $6 \text{ m}^3/\text{m}^2$  hour for narrow edges, during repeated roller cooling. Under the aforementioned conditions the central porosity is low. During testing of the roller cooling ✓

Card 1/2

PELESHCHUK, A.F.

Effect of medication sleep on the leukocyte count, leukocyte formula of the blood and digestive leukocytosis reaction.  
Fiziol. zhur. [Ukr.] 10 no.2:215-220 Mr-Apr '64. (MIRA 18:7)

1. Kafedra terapii Kiyevskogo meditsinskogo instituta im. akad. A.A.Hogomol'tsa.

PELESHCHUK, A.P.

Effect of morphine on the secretory and motor functions of the stomach in human beings. Fiziol. zhur. [Ukr.] 9 no.6:765-774. N-D '63. (MIRA 17:8)

1. Kafedra terapii Kiyevskogo meditsinskogo instituta im. akad. Bogomol'tsa.

PELESHCHUK, A.P.

Interrelations between digestive leucocytosis and gastric secretion.  
Vrach. delo no.3:26-30 Mr '64. (MIRA 17:4)

1. Kafedra terapii (zav. -- doktor med.nauk A.P.Peleshchuk)  
stomatologicheskogo fakul'teta Kiyevskogo meditsinskogo instituta.

IVANOV, V.N., akademik, prof., otv. red.; BURCHINSKIY, G.I., prof.,  
 zam. red.; LIKHTEINSKIY, Ye.I., doktor med. nauk, red.;  
 MIKHNEV, A.L., zasl. doytel' nauki, prof., red.;  
 PELESCHUK, A.P., dots., red.; REVUTSKIY, Ye.L., starshiy  
 nauchnyy sotr., red.; SKOPICHENKO, N.F., dots., red.;  
 CHEBOTAREV, D.F., prof., red.; YANOVSKIY, D.N., prof., red.;  
 GITSHEYN, A.D., tekhn. red.

[Transactions of the 7th Congress of Theraputists of the  
 Ukrainian S.S.R.]Trudy VII s"ezda terapevtov Ukrainskoi SSR.  
 Kiev, Gosmedizdat USSR, 1962. 610 p. (MIRA 15:10)

1. S"yezd terapevtov Ukrainskoy SSR. 7th, 1957. 2. Akademiya  
 nauk Ukrainskoy SSR i doystvitel'nyy chlen Akademii meditsin-  
 skikh nauk SSSR, predsedatel' Pravleniya Respublikanskogo  
 nauchnogo obshchestva terapevtov Ukrainskoy SSR (for Ivanov).
3. Glavnyy terapevt Ministerstva zdravookhraneniya Ukrainskoy  
 SSR (for Chebotarev). 4. Otvetstvennyy sekretar' Pravleniya  
 Respublikanskogo nauchnogo obshchestva terapevtov Ukrainskoy  
 SSR (for Revutskiy). 5. Zamestiteli predsedatelya Pravleniya  
 Respublikanskogo nauchnogo obshchestva terapevtov Ukrainskoy  
 SSR (for Mikhnev, Chebotarev).

(THERAPEUTICS—CONGRESSES)

PELESECHUK, A.P.

Motor activity of the dog stomach during digestion and under drug-induced sleep. Part 2: Effect of sleep on the motor activity of the dog stomach during digestion. *Fiziol.zhur.* [Ukr.] 6 no.2:201-212 Nr-Ap '60. (MIRA 13:7)

1. Institut fiziologii im. I.P. Pavlova AN SSSR, laboratoriya fiziologii i patologii i Kiyevskiy meditsinskiy institut im. akad. A.A. Bogomol'tsa, terapevticheskaya klinika.  
(STOMACH) (SLEEP)

PELESHCHUK, A.P., dotsent

Influence of medication sleep on the secretory function of the  
stomach. Vrach.delo no.6:569-576 Ja '60. (MIRA 13:7)

1. Kafedra fakul'tetskoy terapevticheskoy kliniki (zav. - akademik  
AN USSR, deystvitel'nyy chlen ANN SSSR, prof. V.N. Ivanov) Kiyev-  
skogo meditsinskogo instituta.

(SLEEP--THERAPEUTIC USE) (STOMACH--SECRETIONS) (STOMACH--DISEASES)

PELESHCHUK

PELESHCHUK, A. P.

Effect of sleep on the motor activity of the empty stomach in man.  
[with summary in English]. Fiziol.zhur. [Ukr.] 4 no.1:53-59 Ja-F'58..

1. Kii'vs'kiy medichniy institut im. akad. O.O.Bogomol'tsya, gospi'tal'na  
terapevtichna klinika.  
(SLEEP) (STOMACH)

*PELESHCHUK, A.P.*

PELESHCHUK, A.P., dots.; BYALIK, V.L., doktor med.nauk

Some clinical and anatomical parallels in young patients with gastric cancer. Vrach, delc no.12:1297-1300 D '57. (MIRA 11:2)

1. Kafedra gospital'noy terapii (zav. - akad. V.N.Ivanov) Kiyevskogo meditsinskogo instituta i Okruzhnaya patologoanatomicheskaya laboratoriya (nach. - doktor med. nauk V.L.Byalik)  
(STOMACH--CANCER)

PELESHCHUK, A.P., dotsent

Influence of atropine on gastric secretion during medicated sleep.  
Vrach. delo no.5:73-78 My '61. (MIRA 14:9)

1. Fakul'tetskaya terapevticheskaya klinika (zav. - akademik AN  
USSR, deystvitel'nyy chlen AMN SSSR, prof. V.N.Ivxnov) Kiyevskogo  
meditsinskogo instituta.

(ATROPINE) (SLEEP--THERAPEUTIC USE)  
(STOMACH--SECRETIONS)

MIKHNEV, Anatoliy L'vovich, zapl. deyatel' nauki prof.; ZANOZDRA,  
Nikolay Stepanovich, doktor med. nauk; PELESHCHUK, A.P.,  
red.

[Oxygen therapy in diseases of the cardiovascular system;  
hypertension, atherosclerosis, chronic coronary insuf-  
ficiency] Kislородnaya terapiya bol'nykh s zabolevaniyami  
serdechno-sosudistoi sistemy; gipertonicheskaya bolezni',  
ateroskleroz, khronicheskaya koronarnaya nedostatochnost'.  
Kiev, Zdorov'ia, 1965. 146 p. (MIRA 19:1)

MALAYA, Lyubov' Trofimovna, prof.; PELESHCHUK, A.P., red.

[Cancer of the lungs] Rak legkogo. Kiev, Zdorov'ia,  
1965. 333 p. (MIRA 19:1)

PELESHCHUK, A.P., dotsent (Kiyev)

The 12th All-Union Conference of Theraputists. Vrach, delo no. 1:140-  
142 '61, (MIRA 14:4)

(THERAPEUTICS—CONGRESSES)

PEIRESHCHUK, A.I., dotsent (Kiyev)

Ninth All-Union Conference of Theraputists. Vrach.delo no.3:323-325  
Mr'53 (MIRA 11:5)

(THERAPEUTICS--CONGRESSES)

PELESHCHUK, A.P.

DEIDZIGURI, T.D.; PELESHCHUK, A.P.

On the problem of a simultaneous study of gastric secretory and motor functions [with summary in English]. *Fiziol.zhur.* [Ukr] 3 no.4:22-32 (MLA 10:9) J1-Ag '57.

1. Institut fiziologii im. I.P.Pavlova AN SSSR, laboratoriya kortiko-vistseral'noi patologii i laboratoriya fiziologii ta patologii travlennya i krovoobigu.  
(STOMACH)

PELESCHUK, A.P.

USSR/Human and Animal Physiology. Digestion. T

Abs Jour: Ref Zhur-Biol., No 8, 1958, 36535.

Author : Dzidziguri, T.D., Peleschuk, A.P.

Inst :

Title : On the Simultaneous Study of the Secretary and Motor Functions of the Stomach.

Orig Pub: Fiziol. zh., 1957, 3, No 4, 22-32.

Abstract: No abstract.

Card : 1/1

~~PELESCHUK, A.P.~~

Effect of sleep on the secretory activity of the stomach in dogs.  
Fiziol. zhur. [Ukr.] 5 no.6:728-742 N-D '59. (MIRA 13:4)

1. Institut fiziologii im I.P. Pavlova Akademii nauk SSSR, labora-  
toriya fiziologii i patologii pishchevareniya i krovoobrashcheniya;  
Kiyevskiy meditsinskiy institut imeni akademika A.A. Bogomol'tsa,  
terapiyicheskaya klinika.  
(STOMACH) (SLEEP)

PELESHCHUK, A.P.

Effect of sleep on the gastric motility in man. Fiziol. zhur [Ukr.] 8  
no.4:488-496 J1-Ag 62. (MIRA 18:4)

1. Fakul'tetskaya terapevticheskaya klinika Kiyevskogo meditsinskogo  
instituta im. akademiika A.A.Bogomol'tsa.

IVANOV, Vadim Nikolayevich, akademik; MAKARCHENKO, A.F., prof., akademik, otv. red.; BURCHINSKIY, G.I., prof., red.; PELESHCHUK, A.P., prof., red.; PUTILIN, N.I., prof., red.; REVUTSKIY, Ye.L., st. nauchn. sotr., red.; SKOPICHENKO, N.F., dots., red.; CHEBOTAREV, D.F., prof., red.; ONEL'CHENKO, A.T., st. nauchn. sotr., red.; MATYASHEVSKAYA, T.I., red.

[Selected works] Izbrannye trudy. Kiev, Naukova dumka, 1965. 334 p. (MIRA 18:8)

1. Deystvitel'nyy chlen AMN SSSR (for Ivanov). 2. AN Ukr. SSR (for Makarchenko, Ivanov). 3. Chlen-korrespondent AMN SSSR (for Chebotarev).

PELESHCHUK, A. P., dotsent

Oxidation-reduction processes in pulmonary cancer. Vrach. delo  
no.6:12-14 Je '62. (MIRA 15:7)

1. Kafedra fakul'tetskoy terapii (zav. - akademik AN USSR,  
deystvitel'nyy chlen AMN SSSR V. N. Ivanov[deceased]) Kiyevskogo  
meditsinskogo instituta.

(LUNGS---CANCER) (OXIDATION, PHYSIOLOGICAL)

PELESHCHUK, A.P.

Motor activity of the stomach during digestion and the effect of sleep. Pt.1: Motor activity of the stomach in dogs during the waking period. Fiziol.zhur. [Ukr.] 5 no.6:756-768 N-D '59.

(MIRA 13:4)

1. Institut fiziologii im. I.P. Pavlova AN SSSR, laboratoriya fiziologii i patologii pishchevareniya i krovoobrashcheniya i Kiyevskiy meditsinskiy institut imeni A.A. Bogomol'tsa, terapevticheskaya klinika.

(STOMACH)

PELESHCHUK, A.P., dots. (Kiyev)

Tenth All-Union Conference of Therapists. Vrach.delo no.10:1109-1112  
0 '58 (MIRA 11:11)

(THERAPEUTICS--CONGRESSES)

PELESHCHUK, A.P., dots

Ascorbic acid content of the blood in cancer of the internal organs.  
Vrach. delo no.9:897-899 S '58 (MIRA 11:10)

1. Gospital'naya terapevticheskaya klinika (sav. - akademik AN USSR,  
deyst. chlen AMN SSSR, prof. V.N. Ivanov) Kiyevskogo meditsinskogo  
instituta.

(ASCORBIC ACID)  
(VISCERA--CANCER)

PELESHCHUK, A.P., dotsent

Influence of sleep therapy on the secretory function of the stomach  
in peptic ulcer and chronic gastritis. Vrach. delo no.12:40-46  
D '50. (MIRA 14:1)

1. Fakultetskaya terapevticheskaya klinika (zav.-akademik AN USSR,  
deystvitel'nyy chlen AMN SSSR, prof. V.N. Ivanov) Kiyevskogo meditsinskogo instituta.

(SLEEP—THERAPEUTIC USE)  
(STOMACH—INFLAMMATION)

(STOMACH—SECRETIONS)  
(PEPTIC ULCER)

**PELESHCHUK, A.P.**

**Alveolar (multilocular) Echinococcus of the liver. Medych. zhur.**  
23 no.5:72-77 '53. (MLRA 8:2)

1. Kiivs'kiy medichniy institut, gospi'tal'na terapevtichna klinika.  
(LIVER--HYDATIDS)

PELESHCHUK, A.P.; REVUTSKIY, Ye.L.; SKOPICHENKO, N.F. (Kiyev)

Fifteenth All-Union Congress of Theraputists. Vrach.delo  
no.11:152-155 N '62. (MIRA 16:2)  
(THERAPEUTICS—CONGRESSES)

PELESHCHUK, A.P., dotsent

Effect of sleep and sleep therapy on the motor and evacuatory  
function of the stomach in peptic ulcer and chronic gastritis.

Vrach. delo no.9:30-36 S '61.

(MIRA 14:12)

1. Fakul'tetskaya terapevticheskaya klinika (zav. - akademik AN USSR,  
deystvitel'nyy chlen AMN SSSR, prof. V.N.Ivanov) Kiyevskogo meditsin-  
skogo instituta.

(SLEEP)

(STOMACH--DISEASES)

PELESHENKO, M.

AID - P-150

Subject : USSR/Aeronautics  
Card : 1/1  
Author : Peleshenko, M., Deputy Political Director of the Aero-club in Kemerovo  
Title : Communists in Front  
Periodical : Kryl. Rod., 1, 21, Ja 54  
Abstract : This is an address to Communist and Komsomol party members, in which the author outlines their position in the DOSAAF organization.  
Institution : None  
Submitted : No date

PELESHOK, A.G., inzh.; GANSHIN, L.G., inzh.; BIRMAN, L.G., inzh.

Experience gained in the operation of the leading model of the  
BKZ-100 GM boiler. Elek. sta. 34 no.8:4-7 Ag '63. (MIRA 16:11)

VNUKOV, A.K., kand.tekhn.nauk; PELESHOK, A.G., inzh.; POBEGAYLO, K.M.,  
inzh.; MAKSIMOV, A.I., inzh.

Methods for adjusting the furnaces of large boiler units. Elek.  
sta. 32 no.11:10-13 N '61. (MIRA 14:11)  
(Boilers) (Furnaces)

GERASIMOV, Vasil'y Ivenovich, inzh.; PAUKOV, Yelisey Vasil'yevich, inzh.;  
PASHKEVICH, Aleksey Il'ich, inzh.; PRYAKHIN, Leonid Grigor'yevich,  
inzh.; PELESHUK, M.I., inzh., nauchnyy red.; VLASOV, P.Ye., red.  
izd-va; EL'KINA, E.M., tekhn.red.

[Use of refractories and construction of coke ovens] Ogneupornye  
i montazhnye raboty pri stroitel'stve koksovykh tsakhov. Moskva,  
Gos.izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1960.  
498 p. (MIRA 13:12)

(Coke ovens)

NIKOLAYEVSEIY, Ye.Ya., inzh.; EYDEL'NANT, L.B., inzh.; DAVYDOV, A.M.,  
inzh.; SIMACHEV, L.V., red.; BATENCHUK, A.N., inzh., red.; IPATOV,  
P.F., inzh., red.; KRYLOV, V.A., inzh., red.; PELESHUK, M.I.,  
inzh., red.; PITERSKOV, N.I., red.; SHUBOV, L.B., red.

[Instructions for industrial safety measures in the assembly of  
technological equipment and piping] Instruktivnye ukazaniya po  
tehnike bezopasnosti pri montazhe tekhnologicheskogo oboru-  
dovaniya i truboprovodov. Izd.2., perer. i dop. Moskva, TSentr.  
biuro tekhn.informatsii, 1959. 160 p. (MIRA 13:6)

1. Russia (1917- R.S.F.S.R.) Ministerstvo stroitel'stva. Glav-  
metallurgmontazh. 2. Glavnyy inzhener Glavmetallurgmontazha  
Ministerstva stroitel'stva RSFSR (for Simachev).  
(Industrial safety)

PELESHUK, M. I.

**AUTHOR:** Simachev, L.V., Peleshuk, M.I., Gekhtman, D.Ya., 68-1-10/21  
Shpeyyer, N.A., Fryakhan, L.G. and Gerasimov, V.I.

**TITLE:** Comments on the Paper of R.Z. Lerner "On Changes in the  
Composition of the Coke Oven Department for a Considerable  
Increase in the Number of Coke Ovens in a Battery".  
(Otkliki na statyu R.Z. Lerner "Ob izmenenii komponovki  
koksovogo tsekha dlya znachitel'nogo uvelicheniya chisla  
pechey v batareye".)

**PERIODICAL:** Koks i Khimiya, 1957, No.1, pp. 35 - 36 (USSR)

**ABSTRACT:** These relate to the paper published in Koks i Khimiya,  
1956, No.4. The authors agree with the proposals of R.Z.  
Lerner (batteries of 100 ovens) and consider that 4 batteries  
of the proposed type should be urgently designed.  
There is 1 table.

**ASSOCIATION:** Glavmekhanomontazh and Koksokhimmontazh.

**AVAILABLE:** Library of Congress

Card 1/1

KAYNARSKIY, I.S.; DEGTYAREVA, E.V.; PINDRIK, B. Ye.; KUKHTENKO, V.A.;  
KULAKOV, N.I.; BEL'CHENKO, B.I.; IVNITS'AYA, N.S.; SMORCDA, I.M.;  
SHAROV, M.F.; KOZIN, L.M.; KVASHA, A.S.; PELESHCHUK, M.I.; PRYAKHIN,  
L.G.; LEVINA, L.I.; DANILOV, V.I.; DIDENKO, S.Yu. PROTSENKO, G.A.

Reducing dust formation from dinas bricks and dinas mortar.  
Ogneupory 29 no.3:109-112 '64 (MIRA 17:3)

1. Ukrainskiy nauchno-issledovatel'skiy institut ogneuporov (for KaynarSKIY, Degtyareva, Pindrik, Kukhtenko).
2. Gosudarstvennyy institut po proyektirovaniyu predpriyatiy koksokhimicheskoy promyshlennosti (for Kulakov, Bel'chenko, Ivnit'skaya).
3. Vsesoyuznyy trest po stroitel'stvu i montazhu koksokhimicheskikh zavodov (for Peleshchuk, Pryakhin, Levina).
4. Ukrainskiy nauchno-issledovatel'skiy institut gigiyeny truda i professional'nykh zabolevaniy (for Danilov, Didenko, Protsenko).

KLYUSHNIKOV, M.N.; ZAKREVSKIY, D.V.; PELESHENKO, V.I.

Find of Lower Cretaceous continental sediments in the southern  
slope of the Ukrainian Crystalline Shield. *Biul. MOIP. Otd. geol.*  
39 no.4:76-79 J1-Ag '64. (MIRA 17:10)

PELESHUK, M.I.

SIMACHEV, L.V.; PELESHUK, M.I.; GEKHTMAN, D.Ya.; SHPEYER, N.A.; PRYAKHIN, L.G.  
GERASIMOV, V.I.; CHERNYAK, D.A.

Comments on R.Z. Lerner's article "Changing the layout of a coking section for considerable increase in the number of ovens per battery." Koks i khim, no.1:35-37 '57. (MIRA 10:3)

1. Glavmekhaponomontazh (for Simachev) .2. Koksokhimmontazh (for Poleshuk, Gekhtman, Shpeyyer, Pryakhin, Gerasimov) 3. Teplotekhnostantsiya (for Chernyak).  
(Coke ovens)

PELESHUK, P.S.

POBEDINSKIY, M.N., prof., red.; GUSTERIN, G.A., starshiy nauchnyy sotrudnik;  
STRASHININ, A.I., starshiy nauchnyy sotrudnik; PELESHUK, P.S.,  
tekh.n.red.

[Fortieth anniversary of the Central Radiological Research  
Institute of the Ministry of Public Health of the U.S.S.R.]  
40 let Tsentral'nogo nauchno-issledovatel'skogo rentgeno-  
radiologicheskogo instituta Ministerstva zdravookhraneniia  
SSSR. Pod red. M.N.Pobedinskogo, G.A.Gusterina i A.I.Strashinina. Leningrad, 1958. 193 p. (MIRA 13:1)

1. Leningrad. Tsentral'nyy nauchno-issledovatel'skiy rentgeno-  
radiologicheskii institut.  
(LENINGRAD--RADIOLOGY, MEDICAL)

PELESHUK, V.I.

Switching of the Krasnozvezdinski sugar refinery to year-round work.  
Sakh.prom.30 no.6:14-15 Je '56. (MIRA 9:9)

1.Sumskoy sakhsveklotrest.  
(Sugar industry)

PELESKA, Bohumil; MARKOVA, Jaroslava, Technicka spoluprace M. Rebl; M. Veselovska

Effect of pentamethonium & arfonad on the excitability of the cerebral motor cortex. Rozhl. chir. 38 no.6:381-383 June 59.

1. Ustav klinicke a experimentalni chirurgie, Praha.  
(AUTONOMIC DRUGS, pharmacol.)  
(METEONIUM COMPOUNDS, pharmacol.)  
(CEREBRAL CORTEX, pharmacol.)

PELESKA, B.; BUDA, J.

Phrenic nerve stimulation as a complication following implantation of a battery cardiac stimulator and a method for elimination without thoracotomy. Rozh. chir. 43 no.4:243-247 Ap '64.

1. Modelova laborator pro konstrukci lekarskych pristroju, Praha  
a Ustav klinicke a experimentalni chirurgie, Praha.

EXCERPTA MEDICA Sec.9 Vol.11/8 Surgery Aug 1957  
PELEŠKA B.

4063.(819) PELEŠKA B. Inst. of Clin. and Exp. Surg., Prague. The influence of sodium citrate on reviving the action of the heart in clinical death after exsanguination REV.CZECH.MED. 1956, 2/1 (67-70) Graphs 2

In the clinical death following exsanguination 90% of dogs have been revived by using heparinized blood for resuscitation; 45% of the animals survived permanently. In contrast to this first group of experiments ventricular fibrillation occurred in 70% of animals following transfusion of blood preserved with sodium citrate and not one animal survived permanently. In the 3rd group 100 ml. 40% glucose and 1 mg. adrenalin to 500 ml. blood were added. Fibrillation appeared in 85% of animals and not one animal survived the experiment. In the 4th group of experiments calcium and procaine were added to citrated blood; 100% of animals revived and 85% survived permanently. These results indicate that resuscitation with citrated blood in clinical death, following exsanguination, can only be successful when calcium (5-10 ml.) is administered before commencing the transfusion and by continuing to administer calcium and procaine continuously during the transfusion.

Rapant - Olomouc

PELESKA, Bohumil, MUDr. DrSc.

The new at the 5th International Conference of Medical Electronics  
in Liege. Slaboproudý obzor 25 no.8:486-493 Ag '64.

1. Model Laboratory of Medical Apparatus Design, Prague.

PELESKA, Bohumil

Transthoracic & direct defibrillation. Rozhl. chir. 36 no.11:731-755  
Nov 57.

1. Ustav klinicke a experimentalni chirurgie, Praha.  
(VENTRICULAR FIBRILLATION, exper.  
transthoracic & direct defibrill. (Cs))

CZECHOSLOVAKIA / Human and Animal Morphology (Normal and Pathological). Nervous System. Central Nervous System. S

Abs Jour : Ref Zhur - Biologiya, No 9, 1958, No. 40768

Author : Fischer, J.; Poleska, B.

Inst : Not given

Title : Morphological Changes in Anemization of the Central Nervous System.

Orig Pub : Rozhl. chirurg., 1957, 36, No 4, 253-259

Abstract : Standstill of the circulation was produced in dogs for 5 - 12 minutes by anemization until the appearance of cardiac fibrillation. Following this the heart action was restored with the aid of arterial blood transfusion. The dogs were killed in periods from 3 days to one year from the day of the experiment; the brain was fixed in 10% formalin. Fragments from 18 various cortical and

Card. 1/2

MARKOVA, J.; PELESKA, B.; KESZLER, H.

Neurological picture of central nervous system damage after heart arrest during operative surgery. Cesk. neurol. 26 no.4: 252-258 JI '63.

1. Ustav klinické a experimentální chirurgie v Praze, reditel prof. dr. B. Spacek, DrSc.

(HEART ARREST) (CEREBRAL ANOXIA)  
(CENTRAL NERVOUS SYSTEM DISEASES)

PELESKA, E.; BLAZEK, Z.; Technicka spolprace: RABL, M.

Effect of serial inductivity in condenser defibrillators on the defibrillation threshold of the heart and proposals for a modification of the earlier PREMA type. Rozhl. chir. 42 no.10:704-711 0 '63.

1. Ustav klinicke a experimentalni chirurgie v Praze, reditel prof. dr. B. Spacek, DrSc.

\*

CZECHOSLOVAKIA

PELESKA, B.; BICIK, V.; Research Institute for Electronics and Medical Modelling (Vyzkumny Ustav pro Elektroniku a Modelovani v Lekarstvi), Prague.

"A New Concept of a Universal Implantable Cardiostimulator."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 4, Jul 66, 319-323

Abstract: A diagram and the construction of an implantable cardiostimulator are presented; 2 to 7 electrical cells can be used in the apparatus. This fact allows one to use various thresholds of cardiac parameters of the treated patients who suffer from an AV block or an AS syndrome. In this way the excess of the potential above the threshold value is minimized, and the life of the device maximized. 2 Figures, 1 Table, 19 Western references. (Manuscript received 21 Feb 66.).

1/1

CZECHOSLOVAKIA

PELESKA, B.: Research Institute for Electronics and Medical Model-  
ing (Vyzkumny Ustav pro Elektroniku a Modelovani v Lekarstvi),  
Prague, Director (Reditel) Docent Dr. B. PELESKA.

"Electro-Impulse Therapy of Heart Tachycardias."

Prague, Casopis Lekarů Ceských, Vol 105, No 29, 8 Jul 66, Lekars-  
ka Veda v Zahranici, pp 125 - 136.

Abstract: Electro-impulse therapy is a suitable method of treating  
ventricular fibrillation. Condenser impulse of 3500 to 4000 V  
is best ( in obese people it may be 4000 to 4500 V). Repeated dis-  
charges in unlimited numbers must be used; when there is no urgency  
3 discharges are used, and if the treatment is unsuccessful it may  
be repeated 4-6 weeks later. Whenever possible the treatment should  
be administered under general light anesthesia with intubation of the  
patient and application of succinylcholine. After the treatment the  
patient should rest for at least 4 weeks and have only light activ-  
ity. Quinidine is administered before and after the therapy. In  
malignant arrhythmia following infarction the indication of this  
treatment is vital. 7 Figures, 78 Western, 17 Czech, 5 Russian ref-  
erences.

1/1

PELESKA, B.; Technicka spoluprace: BLAZEK, Z.; RABL, N.; SLADKOVA, E.;  
Statisticke zpravovani: ROTH, Z. inz.

Theoretical principles of the electric defibrillation of the  
heart through condenser discharge. Part 2. Cas. lek. Cesk.  
105 no.1:19-30 7 Ja '66.

1. Vyzkumny ustav pro elektroniku a modelovani v lekarstvi  
v Praze (reditel doc. dr. B. Peleska, DrSc.).

Cardiology

CZECHOSLOVAKIA

UDC: 615:621.3

PELESKA, Bohumil, Docent, MD, Dr of Sciences, and BICIK, Vladimír, Engr, of the Research Institute of Electronics and Modeling in Medicine (Vyzkumny ustav pro elektroniku a modelovani v lekarstvi), Prague

"The State of the Art and the Prospects of Electronics in Curing Grave Disorders of the Cardiac Rhythm"

Prague, Slaboproudy Obzor, Vol 27, No 8, Aug 66, pp 501-515.

Abstract [Authors' Czech, Russian, German, French and English summaries, modified]: The article describes the present state of electronic control of the cardiac rhythm in cases of bradyarrhythmia. Methods used until now for heart excitation by rhythmic pulses are described and the advantages and shortcomings of the respective methods are evaluated. Problems of a technical nature are discussed, including power supply, power consumption, parameters of the exciting pulses, and the heart

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CZECHOSLOVAKIA

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239910003-3"

Prague, Slaboproudy Obzor, Vol 27, No 8, Aug 66, pp 501-515.

excitation threshold for acute and long-term stimulation. Several examples of cardiostimulator circuits presently used are presented and experience and technical data on the equipment designed at the institute are described. Finally, clinical experience gained in implanting cardiostimulators is surveyed and the prospects of future development of electrical stimulation are pointed out. Seventy-three references, including 5 Czechoslovak, 1 Russian, 1 German, and 66 Western.

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PELESKA, B.; JELINEK, M.; Technicka spoluprace: Blazek, Z.; Rabl, M.; CERNA, H.; MAJEROVA, H.; ZMRHALOVA, A.

Combined electrical reanimation unit. Rozh. chir. 43 no.4:253-258  
Ap '64.

1. Ustav klinicke a experimentalni chirurgie, Praha a Vyzkumny  
ustav zdravotnicke techniky, Brno.

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AUTHOR: Celepka, Bohumil (Medical doctor, Doctor of sciences)

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TITLE: New Instruments at the Fifth International Conference on Medical Electronics in Liege

SOURCE: Slaboprudy obzor, v. 25, no. 8, 1964, 486-493

TOPIC TAGS: international conference, medical conference, medical equipment, electric electronics conference

ABSTRACT: Report on the conference in Liege, Belgium, 22 to 26 July 1963. Orig. art. has 14 figures.

ASSOCIATION: Modelova laborator pro konstrukci lecarskych pristroju, Prague (Models Laboratory for the Design of Medical Instruments)

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Card 1/1

PELESKA, B.; SPACEK, B.; KLAIN, M.; PISA, Z.; HAMMER, J.

Our experiences with implantation of cardiostimulators in AV block and Adams Stokes syndrome. Rozhl. chir. 44 no.1:16-23 Ja '65.

1. Vyzkumny ustav pro elektroniku a modelovani v lekarstvi, Praha; Ustav klinicke a experimentalni chirurgie, Praha a Ustav pro choroby obehu krevniho, Praha.

SPACEK, B.; PELESKA, B.; ZASTAVA, V.; HAMMER, J.; PISA, Z. Technicka  
spoluprace: RABL, M.; BLAZEK, Z.; ZMRHALOVA, A.; CEFNA, H.; MAJEROVA, H.

Reversibility of cardiac contraction after temporary obstruction  
of the coronary arteries. Cas. lek. cesk. 104 no.1:1-11 8 Ja '65

1. Ustav klinicke a experimentalni chirurgie v Praze (reditel -  
prof. dr. B. Spacek, DrSc.) a Ustav pro choroby obehu krevniho  
v Praze (reditel - prof. dr. J. Brod, DrSc.).

PELESKA, B.; BLAZEK, Z.: POS, V.

Efficient power amplifier for indirect stimulation of the heart  
as a supplementary device for the electronic cardiac stimulator  
PREMA. Rozh. chir. 43 no. 4: 248-252 Ap '64.

1. Ustav klinické a experimentální chirurgie v Praze (reditel  
prof. dr. B. Spacek, DrSc.).

SPACEK, B.; PELESKA, B.; KLAIN, M.

Implantation of a battery cardiostimulator ELEMA in a patient with complete AV block and Adams-Stokes syndrome. Rozhl. chir. 43 no.2:118-126 F'64.

1. Ustav klinicke a experimentalni chirurgie v Praze; reditel: prof.dr.B.Spacek, DrSc.

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PELESKA, B.

Biotelemetry, Cesk. fysiolo. 13 no.2:146-164 Ja'64

1. Modelova laborator pro konstrukci lekarskych pristroju,  
Praha.

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PELESKA, B.; POHANKA, J.; BLAZEK, Z.; Technicka spoluprace: RABL, M.;  
POS, V.

Condenser defibrillator for direct and transthoracic defibrilla-  
tion of the heart. Cas. lek. cesk. 102 no.26:705-710 28 Je '63.

1. Ustav klinicke a experimentalni chirurgie v Praze, reditel  
prof. dr. B. Spacek, DrSc.

(HEART ARREST) (ELECTROTHERAPY)  
(VENTRICULAR FIBRILLATION)  
(AURICULAR FIBRILLATION)  
(EQUIPMENT AND SUPPLIES)

PELESKA, Bohumil, MUDr., ScC.

Method of direct heart stimulation by electric impulses from the Prema transistorized pacemaker in case of heart rhythm disturbances. Slaboproudý obzor 24 no.8:459-464 Ag '63.

1. Ústav klinické a experimentální chirurgie, Praha.

PELESKA, Bohumil, MUDr, DrSc.

Medical electronics and its importance for the development  
of medical care. Slaboproudý obzor 24 no.12:706-711 D'63.  
(MIRA 17:5)

1. Ustav klinické a experimentální chirurgie, Praha.

PELESKA, Bohumil

Medical electronics - a new branch of science and the subject of its research at the present time. Cas. lek. cesk. 101 no.29/30:881-885  
20 JI '62.

1. Ustav klinicke a experimentalni chirurgie v Praze, prednosta prof.  
dr. B. Spacek, DrSc.

(ELECTRONICS) (RESEARCH)

~~PELESKA, B.~~  
SMETANA, J.; KRSZLER, H.; PELESKA, B.

Experiences with experimental hypothermia. Rozhl. chir. 36 no.4:219-224 Apr 57.

1. Ustav klinické a experimentální chirurgie v Praze-Krci, fed. doc. Dr. B. Spacek.

(HYPOTHERMIA, exper.  
in cardiac surg. (Cz))  
(HEART, surg.  
hypothermia (Cz))

PELESKA, B.; MARKOVA, J. Technicka spoluprace: RABL, M.; VESELOVSKA, M.

Relationship of the peripheral motor response and the depth of pentothal anesthesia in corticostimulation. Cas.lek.cesk 100 no.13: 404-409 31 Nr '61.

1. Ustav klinicke a experimentalni chirurgie, Praha-Krc, prednosta prof. dr. B. Spacek.

(THIOPENTAL anesth & analgesia)  
(CEREBRAL CORTEX physiol)  
(PERIPHERAL NERVES physiol)

PELESKA, Bohumil, MDr., CSc.

Technology in clinical medicine. Cas. lek. cesk. 101 no.46:1384-1388  
'62.

(TECHNOLOGY MEDICAL)

CZECHOSLOVAKIA

MARKOVA, J., PELESKA, B., and KESZLER, H., Institute for Clinical and Experimental Surgery (ustav klinicke a experimentalni chirurgie), Prague, Prof. Dr B. SPACEK, Dr of Sciences, director.

"Neurological Picture of CNS Damage Following Cardiac Arrest During Surgical Operations"

Prague, Ceskoslovenska Neurologie, Vol 26(59), No 4, July 1963, pp 252-258.

Abstract [Authors' English summary]: The development and dynamics of disorders in the central nervous system following cardiac arrest during surgery are evaluated. Of 14 patients five suffered a severe and fatal damage, three suffered a transient damage. Cases described were selected to prove that even severe disorders of CNS may be restored to normal. Methods of treatment described stress the use of ganglioplegics and atropine antiedema therapy. Experience based on the evaluation of neurological findings allows certain prognostic estimates of the extent of the CNS damage. Improvement proceeds from areflexia through a complex picture with a predominant pyramidal symptomatology. Forty-five references, including 13 Czech and 2 Russian.

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CZECHOSLOVAKIA

PELESKA, B., POHANKA, J., and BLAZEK, Z., with technical co-operation of RABL, M., and POS, V., Institute for Clinical and Experimental Surgery (Ustav klinicke a experimentalni chirurgie), Prague, Prof. Dr B. SPACEK, Dr of Sciences, director.

"Defibrillator for Direct and Indirect Defibrillation of the Heart"

Prague, Casopis Lekaru Ceskych, Vol CII, No 26, 28 June 63, pp 705-710.

Abstract [Authors' English summary]: Data on a portable defibrillator with its own power source and a pulse transformer. Parameters of the new apparatus roughly correspond to that already produced and connected to the regular power network. A diagram, graphs, tables, illustrations. Fifteen references, including 1 Russian.

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MALEK, P.; KOLC, J.; ZASTAVA, VL.; ZAK, F.; PELESKA, B.

Fixation of tetracycline antibiotics in the focus of myocardial infarct.  
Cas. lek. cesk. 101 no.32/33:981-984 17 Ag '62.

1. Ustav klinicke a experimentalni chirurgie v Praze, reditel prof.  
dr. B. Spacek. -- II. patologickoanatomicky ustav KU v Praze, prednosta  
prof. dr. V. Jedlicka.

(TETRACYCLINE)

(MYOCARDIAL INFARCT)

PELESKA, Bohumil.

Resuscitation with repair solutions. Rozhl. chir. 36 no.4:243-252  
Apr 57.

1. Ustav klinické a experimentální chirurgie, Praha.

(CARDIAC ARREST, exper.

resuscitation with simple & buffered repair solutions in  
dogs (Cz))

(RESUSCITATION,

in cardiac arrest in dogs with simple & buffered repair  
solutions (Cz))

EXCERPTA MEDICA Sec 9 Vol 13/6 Surgery June 59 . . . .

3226. TRANSTHORACIC AND DIRECT HIGH-TENSION DEFIBRILLATION - La  
défibrillation transthoracique et directe à haute tension - Peleska B.  
Inst. de Chir. Clin. et Exp., Prague - ANESTH. ET ANALG. 1958, 15/2  
(238-274) Graphs 13 Tables 3 Illus. 8  
Experiments on dogs showed that defibrillation gave the best results.